

TABLE OF OBSERVING ACTIVE REGIONS IN 2012 (H-ALPHA)

This document contains summary informations about events observed in Valašské Meziříčí Observatory.

We observe with these telescopes: - chromospheric telescope (diameter lens 135 mm, focal length 2 350 mm, effective focal lens of the entire, device 5 170 mm), telescope have H-alpha filtr Daystar, 0,7 Å
- synoptic telescope Lunt LS60TC Ha/B1200 (focal length 400 mm), 0,8Å

Data are in fits format and available in our archiv.

If you want use this data, please write on email: slunecni.skupina@pozorovanislunce.eu or info@astrovm.cz.

LEGEND

criterion of quality: 1 - excellent data
2 - useful data - interference patterns, high clouds, fuzzy
3 - bad data - without flat field, with clouds, really bad image

number: number images in the archiv
series: number of series in observing day

TABLE OF OBSERVING ACTIVE REGIONS IN 2012 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120420	2012	04	20	11459	07:23	07:23	4	1	2
				11460	07:17	07:50	8	2	2+
				11461	07:28	07:28	3	1	2
				11462	07:36	07:36	4	1	2
				11463	07:42	07:42	3	1	2
20120427	2012	04	27	11465	08:53	08:53	3	1	1-
				11466	08:47	08:48	3	1	1-
				11467	09:03	09:03	4	1	2+
				11468	08:47	08:48	3	1	1-
20120428	2012	04	28	11465	10:32	10:33	3	1	2+
				11466	10:18	15:33	25	8	2-
				11468	14:14	15:33	21	7	2-
				11469	13:46	13:47	3	1	2-
				11470	10:45	10:45	3	1	3+
				11471	10:45	10:45	3	1	3+
				HWDISC	09:28	15:11	15	5	3
20120429	2012	04	29	11465	13:08	13:08	3	1	2+
				11469	12:41	13:28	9	3	2
				11471	12:51	12:59	6	2	2+
				HWDISC	09:59	12:29	8	3	3+
20120430	2012	04	30	11466	08:25	12:21	6	2	2-
				11469	08:21	12:17	8	2	2-
				11471	08:09	12:10	12	4	1-
				11472	08:16	08:16	4	1	2
20120502	2012	05	02	11471	07:46	07:46	4	1	2+
20120509	2012	05	09	11476	05:49	13:11	45	12	2
20120510	2012	05	10	11476	12:45	15:36	27	9	2+
20120511	2012	05	11	11476	07:00	09:14	44	12	2
				11477	07:10	09:17	9	3	2+
20120518	2012	05	18	11478	11:27	11:27	3	1	1-
				11482	11:17	11:17	3	1	1-
				11484	11:25	11:25	3	1	1

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120518	2012	05	18	11486	11:38	11:38	4	1	1-
20120519	2012	05	19	11478	08:42	08:44	6	2	1-
				11482	08:03	13:17	21	6	1, 2
				11484	07:58	13:01	23	7	1, 2
				11485	08:58	08:58	3	1	1
				11486	08:24	12:52	5	2	1
20120520	2012	05	20	11482	07:42	10:56	70	13	2+, 3+
				11483	07:55	10:34	20	4	2+
				11484	07:34	10:17	12	3	2
				11486	07:04	07:17	8	4	1-
20120521	2012	05	21	11482	06:59	08:03	19	5	1-
				11483	07:32	07:41	14	2	2+
				11484	07:07	07:54	14	3	2
				11486	07:16	07:26	15	3	2-
20120523	2012	05	23	11484	06:29	09:16	28	6	2-
				11486	06:50	06:56	6	2	2
20120529	2012	05	29	11490	07:49	12:57	9	3	2
				11792	07:42	12:53	11	3	2+
20120618	2012	06	18	11504	06:03	13:38	18	5	1
				11506	09:11	12:15	9	2	1
				11508	06:09	13:38	14	5	1-
20120619	2012	06	19	11504	07:12	13:26	21	6	1-
				11506	11:25	11:25	4	1	1-
				11508	07:31	11:35	16	3	2+
				11510	11:29	13:29	6	2	2+
20120620	2012	06	20	11504	05:53	13:06	25	5	3
				11510	09:48	09:48	3	1	2
20120627	2012	06	27	11512	07:05	13:12	16	4	2
				11513	07:01	13:08	16	4	2
				11514	06:57	13:10	12	3	2
20120701	2012	07	01	11515	13:37	13:42	10	2	2
20120702	2012	07	02	11512	09:20	09:20	4	1	2+

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120702	2012	07	02	11513	09:33	13:50	10	3	2
				11515	09:25	13:53	39	6	2
				11516	11:52	13:51	7	2	2
				11517	11:52	13:51	7	2	2
20120703	2012	07	03	11512	13:36	13:36	4	1	3
				11513	06:56	14:46	19	5	2-
				11515	06:46	14:38	29	7	2-
				11516	06:53	13:27	7	2	2-
				11517	06:53	13:27	7	2	2-
20120704	2012	07	04	11513	11:24	14:46	20	6	2
				11515	11:19	14:34	17	5	2
				11516	11:30	11:30	5	1	1-
				11517	11:30	13:19	3	2	1-
20120705	2012	07	05	11513	06:45	14:49	13	5	2
				11515	06:33	14:45	40	6	2+, 3
				11517	06:49	11:37	5	2	1-
				11518	06:53	13:28	14	4	2
				11519	07:09	14:08	20	6	2
20120706	2012	07	06	11513	06:47	11:53	14	6	2+
				11515	06:51	12:17	41	12	1-
				11517	06:44	07:34	6	2	1-
				11518	06:40	07:37	4	2	2
				11519	06:34	11:18	11	6	1-, 3
20120707	2012	07	07	11513	06:59	14:23	8	3	2
				11515	06:53	14:20	20	10	2
				11518	07:03	14:31	6	3	2-
				11519	07:06	13:06	19	11	2, 2-
				11520	07:09	13:06	19	11	2-
20120708	2012	07	08	11515	10:02	10:44	2	2	3
				11519	09:59	11:13	5	2	3+
				11520	09:55	11:16	5	3	2-
20120709	2012	07	09	11519	13:29	13:29	7	1	1-

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120709	2012	07	09	11520	13:24	14:51	15	3	2, 2-
20120710	2012	07	10	11519	08:41	11:25	18	5	1-
				11520	08:29	11:25	21	7	2, 2-
20120711	2012	07	11	11519	08:45	09:00	8	2	1-
				11520	08:53	09:03	7	2	2+
				11521	08:45	09:00	8	2	1-
20120714	2012	07	14	11520	07:35	07:40	6	2	3
				11521	07:44	08:55	4	2	3
				11523	07:48	07:49	3	1	3+
20120719	2012	07	19	11524	09:09	09:09	5	1	3
				11525	09:09	09:09	5	1	3
20120720	2012	07	20	11525	12:32	12:36	5	2	2
20120722	2012	07	22	11524	06:54	17:19	20	5	2, 3
				11526	06:57	16:57	6	3	3
20120723	2012	07	23	11525	08:00	12:32	25	6	2-
				11526	08:06	12:45	18	5	2-
				11527	10:15	10:16	5	2	2-
				11528	08:19	12:07	12	4	2-, 3
				11529	10:46	12:03	6	2	3
20120724	2012	07	24	11525	06:26	14:20	32	10	2
				11526	07:04	09:45	9	3	2
				11527	06:12	14:45	21	7	2+, 2-
				11528	06:12	14:45	21	7	2+, 2-
				11529	06:18	12:48	20	6	2
20120726	2012	07	26	11525	10:39	10:40	6	1	2-
				11528	09:23	10:24	7	2	2
				11529	10:30	10:31	4	1	2-
				11530	10:30	10:36	7	2	2-
				11531	10:52	11:08	8	2	2
				11532	10:36	10:36	3	1	2-
20120727	2012	07	27	11528	11:11	13:01	19	5	2-
				11529	08:00	13:45	25	7	2+, 2-

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120727	2012	07	27	11530	08:04	14:10	37	11	2, 2-
				11531	11:05	13:16	9	3	3+
				11532	08:07	13:41	17	5	2-
20120728	2012	07	28	11528	09:58	13:31	16	4	1-
				11529	09:42	13:25	8	3	2
				11530	09:29	13:38	26	8	2
				11531	11:22	12:30	8	3	2
				11532	09:53	13:14	18	5	2
				11533	09:34	12:38	15	4	2
20120730	2012	07	30	11528	06:08	07:43	6	2	2
				11529	06:04	07:02	6	2	2
				11530	05:35	07:49	4	2	2-
				11532	05:27	08:04	11	3	2-
				11533	06:12	07:54	8	2	2
				11535	06:16	08:08	28	6	2, 2-
20120731	2012	07	31	11528	07:58	13:42	14	4	2+, 2
				11529	07:55	12:09	10	3	2
				11530	07:40	14:20	20	5	2
				11532	07:24	14:06	19	7	2-
				11535	07:15	14:19	18	5	2+
				11538	09:31	12:50	7	2	3
20120801	2012	08	01	11528	06:55	13:21	19	6	2+, 2
				11529	06:43	09:09	7	2	2+
				11530	06:31	10:37	16	5	2-
				11532	06:22	10:44	21	7	2, 3
				11535	07:21	12:03	11	3	1-, 2-
				11537	07:27	08:56	9	2	2
				11538	07:16	11:29	9	3	3
20120802	2012	08	02	11528	08:42	09:52	5	2	2+
				11529	08:29	13:53	21	7	2+, 2
				11530	08:24	09:37	8	3	1-, 2
				11532	06:35	12:45	18	7	2+, 2-

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120802	2012	08	02	11535	08:52	13:21	20	7	2
				11536	08:17	14:05	22	7	2+
				11537	08:56	10:19	5	1	2
				11538	06:11	13:58	19	7	2
20120804	2012	08	04	11532	06:00	09:53	25	6	3
				11535	05:48	09:18	18	4	3+
				11538	05:55	08:49	17	4	2-
				11539	05:55	08:49	20	5	2-
20120805	2012	08	05	11532	11:38	14:50	6	2	2
				11535	12:10	14:07	9	2	2+
				11537	12:05	14:27	7	2	2+
				11538	11:41	14:42	7	2	2
				11540	11:50	14:34	6	2	2-
20120806	2012	08	06	11532	06:40	13:24	16	5	3+
				11535	06:26	15:03	21	6	2-
				11538	06:46	09:59	16	5	1-, 2
				11540	06:52	14:58	24	6	2, 3
				HWDISC	07:58	15:17	69	21	2
20120807	2012	08	07	11535	13:03	13:08	4	3	2
				11537	13:16	13:20	3	2	2
				11538	12:38	12:40	4	1	2+
				11540	09:27	09:56	6	3	2-
				11542	12:48	12:56	3	3	2-
20120808	2012	08	08	11535	08:33	10:53	6	2	2+
				11537	11:06	11:15	6	6	2+
				11538	08:20	08:25	6	6	1-
				11540	07:29	12:24	12	12	1-, 2
				11542	09:08	09:15	5	5	1-
				12543	10:32	10:40	4	4	1-
20120809	2012	08	09	11535	08:48	09:47	4	2	2+
				11538	08:34	09:42	5	2	2+
				11540	06:00	09:16	21	13	1-, 2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120809	2012	08	09	11542	09:06	09:06	1	1	2-
				11543	08:59	09:01	7	1	1-
				HWDISC	09:14	09:51	6	2	2
20120810	2012	08	10	11538	06:01	07:07	5	2	1, 1-
				11540	06:05	06:56	4	2	2
				11542	06:49	11:18	26	6	1-, 2
				11543	06:45	11:15	4	2	1
20120813	2012	08	13	11542	08:24	11:07	8	2	1
				11543	08:09	10:24	20	5	2, 3
				HWDISC	08:47	08:47	3	1	3
20120815	2012	08	15	HWDISC	07:02	14:38	25	8	1-
20120816	2012	08	16	11543	06:25	09:17	17	7	2
				11545	08:09	08:09	4	1	2-
				HWDISC	06:51	12:34	16	5	1-, 2
20120818	2012	08	18	11543	06:31	12:41	17	7	2
				11546	06:14	12:32	27	10	2
				11547	07:05	10:06	6	4	2
				HWDISC	06:54	11:01	15	5	2
20120819	2012	08	19	11543	06:08	11:14	11	5	2-
				11546	06:30	13:11	17	9	2, 2-
				HWDISC	06:43	14:07	20	7	2
20120820	2012	08	20	HWDISC	09:51	12:54	19	6	2, 3-
20120822	2012	08	22	HWDISC	08:00	08:59	10	3	2-
20120823	2012	08	23	HWDISC	10:04	14:39	18	6	1-, 2-
20120824	2012	08	24	11546	08:32	12:17	15	6	2
				11552	09:00	09:36	7	2	2
				11553	08:54	09:29	7	2	2, 2-
				11554	08:01	10:50	12	3	2-
				HWDISC	07:12	07:26	7	2	1-, 2
20120828	2012	08	29	11553	09:33	09:34	4	1	2
				11554	09:37	09:38	7	1	2
				11555	09:50	09:51	3	1	3+

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120828	2012	08	28	HWDISC	09:23	10:22	8	3	2+
20120829	2012	08	29	11553	11:56	12:56	4	1	2
				11554	12:59	13:00	3	1	2
				11555	12:40	12:40	4	1	2-
				11558	13:11	13:11	4	1	3
				HWDISC	13:23	13:52	6	2	1
20120830	2012	08	30	11553	07:57	11:05	20	5	2
				11554	08:04	10:15	8	2	2-
				11555	07:47	09:44	6	2	2
				11560	06:43	09:41	10	3	3+
				11561	07:01	07:01	4	1	3+
				HWDISC	06:38	09:52	21	6	1-,2
20120910	2012	09	10	11564	07:04	10:07	6	2	3-
				11568	10:22	10:22	3	1	3
20120911	2012	09	11	11564	08:14	08:15	3	1	2-
				11566	12:20	12:20	4	1	3-
				11567	12:43	13:31	7	4	2-
				11569	08:03	13:35	15	7	3
20120914	2012	09	14	11569	14:02	14:02	2	1	3-
				11571	14:06	14:06	1	1	3-
20120917	2012	09	17	11569	07:41	11:38	5	2	2-
				11571	08:00	11:51	9	3	2-
				11574	07:47	11:43	7	3	2
20120918	2012	09	18	11569	08:53	13:52	8	3	2
				11571	09:00	09:00	3	1	2-
				11574	08:57	08:57	2	1	2
				11579	09:57	09:59	25	6	2-
20120920	2012	09	20	11569	11:55	11:55	3	1	2
				11574	11:50	11:50	2	1	2-
				11575	11:36	11:37	3	1	2+
20120921	2012	09	21	11575	10:24	11:52	5	2	3-
				11576	10:36	10:36	1	1	3

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20120925	2012	09	25	11575	11:13	11:13	2	1	2
				11579	11:21	11:21	3	1	2
20121003	2012	10	03	11579	09:31	13:18	10	4	2
				11582	09:16	13:15	12	4	1, 2
				11585	09:24	12:06	3	1	2+
20121009	2012	10	09	11585	07:41	10:44	9	3	2-, 3-
				11586	07:46	07:46	1	1	3
20121011	2012	10	11	11585	11:01	12:25	6	2	1-
				11586	10:56	12:22	6	2	2
				11589	10:52	13:38	9	3	2-
20121012	2012	10	12	11586	11:53	13:31	6	2	2-
				11589	12:27	13:22	7	3	2-, 3-
20121017	2012	10	17	11589	09:50	13:39	13	4	1, 2
				11591	09:44	13:36	12	4	1
20121018	2012	10	18	11589	12:38	12:38	3	1	3
				11591	12:34	12:34	3	1	3+
20121019	2012	10	19	11589	10:33	10:33	3	1	2
				11591	10:27	13:35	9	3	2, 3
				11593	10:55	11:48	5	2	3, 3-
				11596	10:43	13:31	6	2	3
				11597	11:30	12:01	6	2	3
20121022	2012	10	22	11591	09:01	13:33	14	4	1-, 2+
				11593	09:03	11:48	7	2	2+
				11596	08:55	13:30	7	3	2, 2-
				11598	08:48	13:27	12	4	2-
20121031	2012	10	31	11598	08:52	13:10	32	7	1-
				11599	08:47	12:41	16	5	1-, 2
				11601	10:38	10:38	3	1	2-
				11602	08:40	12:28	9	3	2, 2-
20121114	2012	11	14	11610	13:18	13:19	6	1	2+
				11611	12:51	12:52	4	1	3
				11612	12:51	12:52	4	1	3

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20121114	2012	11	14	11613	13:09	13:09	4	1	3
				11614	12:58	12:58	4	1	3
				11615	13:04	13:05	4	1	3
20121120	2012	11	20	11612	12:09	12:31	6	2	2
				11613	12:09	12:09	3	1	2+
				11618	11:48	12:47	11	3	2, 2-
				11619	11:57	12:42	7	2	2, 2-

